

## D3SB10 THRU D3SB80 SINGLE PHASE GLASS PASSIVATED SIP BRIDGE RECTIFIER VOLTAGE: 100 TO 800V CURRENT: 4.0A

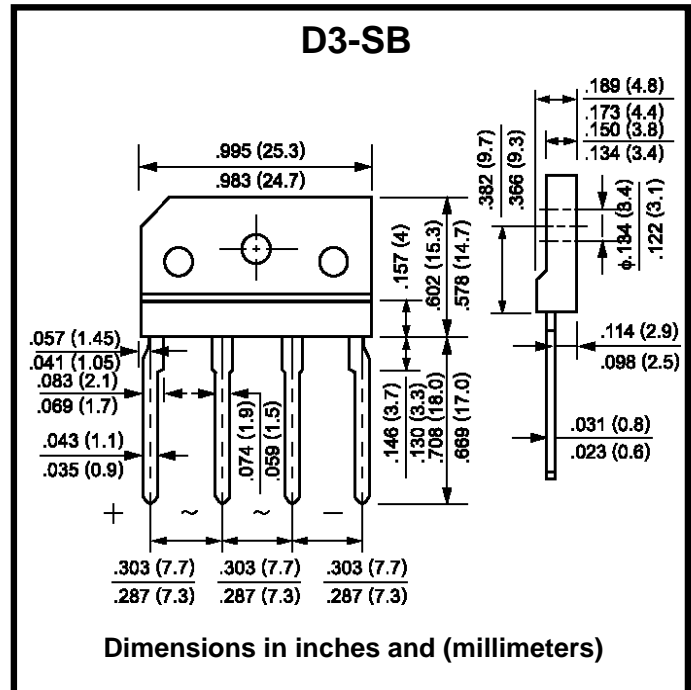
TECHNICAL  
SPECIFICATION

### FEATURES

- Glass passivated junction chip
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Surge overload rating: 120 A peak
- High temperature soldering guaranteed: 250°C/10sec/ 0.375" (9.5mm) lead length at 5 lbs tension

### MECHANICAL DATA

- Terminal: Plated leads solderable per MIL-STD 202E, method 208C
- Case: UL-94 Class V-O recognized flame retardant epoxy
- Polarity: Polarity symbol marked on body
- Mounting position: Any



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60Hz, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

RATINGS	SYMBOL	D3SB	D3SB	D3SB	D3SB	D3SB	UNITS	
		10	20	40	60	80		
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	200	400	600	800	V	
Maximum RMS Voltage	$V_{RMS}$	70	140	280	420	560	V	
Maximum DC Blocking Voltage	$V_{DC}$	100	200	400	600	800	V	
Maximum Average Forward Rectified Current ( $T_a=50^\circ\text{C}$ )	$I_{F(AV)}$	4.0					A	
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	$I_{FSM}$	120					A	
Maximum Instantaneous Forward Voltage (at forward current 2.0A DC)	$V_F$	1.1					V	
Maximum DC Reverse Current (at rated DC blocking voltage)	$I_R$	$T_a=25^\circ\text{C}$	10					$\mu\text{A}$
		$T_a=125^\circ\text{C}$	500					$\mu\text{A}$
Storage and Operating Junction Temperature	$T_{STG}, T_J$	-55 to + 150					$^\circ\text{C}$	